

ABSTRACT OF THE DISCLOSURE

An electrical circuit for voltage transformation, the electrical circuit being suitable for power factor correction, enables a good power factor correction to be achieved with a high efficiency of between 80 % and 95 % in the MHz frequency region. To this end, few components suitable for high frequencies (capacitors, inductances, diodes and high frequency switches) are used. The diodes are, for example, Schottky diodes with SiC as the diode material. The high frequency switch includes a powerful MOS transistor.